

SYSTEM AND METHOD FOR CONTROLLING A STEAM TURBINE

Abstract

A system and a method for controlling a steam turbine in accordance with an exemplary embodiment are provided. The steam turbine has a first turbine subassembly and a second turbine subassembly both operably coupled to a rotor shaft for rotating the rotor shaft. The rotor shaft extends along an axis and being rotatably supported by a thrust bearing. The method includes determining a magnitude of an axial force being applied by the rotor shaft against the thrust bearing. The method further includes reducing an amount of steam being supplied to at least one of the first and second turbine assemblies when the magnitude of the axial force being applied against the thrust bearing exceeds a threshold value